L Number	Hits	Search Text	DB	Time stamp
2	700	(345/690-693).ccls	USPAT;	2003/06/30
		, , , , , , , , , , , , , , , , , , , ,	US-PGPUB;	13:08
	1		EPO; JPO;	
		·	DERWENT;	
		1045 (05, 00)	IBM_TDB	
3	7194	(345/87-92).ccls	USPAT;	2003/06/30
			US-PGPUB;	13:08
		'	EPO; JPO; DERWENT;	
•		,	IBM TDB	'
4	1817	(345/98).ccls	USPAT;	2003/06/30
			US-PGPUB;	13:08
			EPO; JPO;	
			DERWENT;	
_			IBM_TDB	
5	1541	(345/100).ccls	USPAT;	2003/06/30
			US-PGPUB;	13:09
		•	EPO; JPO; DERWENT;	
			IBM TDB	
6	1893	(345/204).ccls	USPAT;	2003/06/30
			US-PGPUB;	13:17
			EPO; JPO;	
			DERWENT;	
10		5426624	IBM_TDB	
10	2	5436634.pn.	USPAT;	2003/06/30
			US-PGPUB; EPO; JPO;	13:34
		,	DERWENT;	<u> </u>
			IBM TDB	
1	1796	(345/60-63).ccls	USPAT;	2003/06/30
			US-PGPUB;	14:11
			EPO; JPO;	
			DERWENT;	
14	836	sequential adj circuits	IBM_TDB	1.2022.426.422
1.4	0.50	sequential adj circuits	USPAT; US-PGPUB;	2003/06/30
			EPO; JPO;	14.33
			DERWENT;	
			IBM TDB	
15	39462	logic near circuits	USPAT;	2003/06/30
			US-PGPUB;	14:33
			EPO; JPO;	
			DERWENT; IBM TDB	
16	318	sequence adj circuits	USPAT;	2003/06/30
			US-PGPUB;	14:34
			EPO; JPO;	
		·	DERWENT;	
17	330	//aamamhial add adu (t)	IBM_TDB	
1	329	((sequential adj circuits) or (sequence adj circuits)) and (logic near circuits)	USPAT;	2003/06/30
		adj circuits;; and (logic near circuits)	US-PGPUB; EPO; JPO;	14:41
			DERWENT;	
			IBM TDB	.
18	271	vertical adj drive adj circuit	USPAT;	2003/06/30
			US-PGPUB;	14:42
			EPO; JPO;	
			DERWENT;	
19	445	horizontal adj drive adj circuit	IBM_TDB	2002/06/20
	243	norrzontar auj urive auj circuit	USPAT; US-PGPUB;	2003/06/30
	·	,	EPO; JPO;	17.73
			DERWENT;	
			IBM TDB	

20	157	(transition) and during and discounts of	trenam:	12002/06/20
20	156	(vertical adj drive adj circuit) and (horizontal adj drive adj circuit)	USPAT; US-PGPUB; EPO; JPO;	2003/06/30
	i	· ·	DERWENT; IBM TDB	
21	3	, , , <u>,</u>	USPAT;	2003/06/30
		adj circuits)) and (logic near circuits)) and ((vertical adj drive adj circuit)	US-PGPUB; EPO; JPO;	14:43
	:	and (horizontal adj drive adj circuit))	DERWENT;	
22	9940		IBM_TDB	2002/06/20
22	8840	vertical adj scanning	USPAT; US-PGPUB;	2003/06/30 15:16
			EPO; JPO;	
		*	DERWENT; IBM TDB	
23 .	27923	active adj matrix	USPAT;	2003/06/30
			US-PGPUB;	15:17
		·	EPO; JPO; DERWENT;	
			IBM_TDB	
24	1991	OLED or (organic adj light adj emitting adj diode)	USPAT; US-PGPUB;	2003/06/30 15:18
		adj diode,	EPO; JPO;	15.10
			DERWENT;	
25	534	(active adj matrix) and (OLED or (organic	IBM_TDB USPAT;	2003/06/30
		adj light adj emitting adj diode))	US-PGPUB;	15:18
	:		EPO; JPO; DERWENT;	
			IBM TDB	
26	4	((vertical adj drive adj circuit) and	USPAT;	2003/06/30
		(horizontal adj drive adj circuit)) and ((active adj matrix) and (OLED or	US-PGPUB; EPO; JPO;	15:36
		(organic adj light adj emitting adj	DERWENT;	
29	62090	diode))) grayscale or greyscale or gradation or	IBM_TDB USPAT;	2003/06/30
		(half adj tone)	US-PGPUB;	15:51
			EPO; JPO; DERWENT;	
			IBM_TDB	
30	10688	(binary adj state) or (binary adj condition) or (ON/OFF adj state)	USPAT; US-PGPUB;	2003/06/30 15:52
		condition, or (ow/orr adj state)	EPO; JPO;	15:52
		•	DERWENT;	· ·
31	808	digital adj drive	IBM_TDB USPAT;	2003/06/30
			US-PGPUB;	16:14
			EPO; JPO; DERWENT;	
			IBM_TDB	
32	2	(grayscale or greyscale or gradation or (half adj tone)) and ((binary adj state)	USPAT; US-PGPUB;	2003/06/30 16:14
		or (binary adj condition) or (ON/OFF adj	EPO; JPO;	10.14
		state)) and (digital adj drive)	DERWENT;	
33	8719	frame adj period	IBM_TDB USPAT;	2003/06/30
			US-PGPUB;	16:17
			EPO; JPO; DERWENT;	
			IBM_TDB	
34	5453	subframes or subfields	USPAT; US-PGPUB;	2003/06/30
			EPO; JPO;	10.17
			DERWENT;	
35	292	(frame adj period) and (subframes or	IBM_TDB USPAT;	2003/06/30
		subfields)	US-PGPUB;	16:17
			EPO; JPO; DERWENT;	
			IBM_TDB	

36	11254	((345/60-63).ccls) or	USPAT;	2003/06/30
	11254	((345/690-693).ccls) or	US-PGPUB;	16:18
		((345/87-92).ccls) or ((345/98).ccls) or	EPO; JPO;	10.10
		((345/100).ccls) or ((345/204).ccls)	DERWENT;	
		((343)100).0013) 01 ((343)204).0013)	IBM TDB	ļ
37	598	345/55.ccls.	USPAT;	2003/06/30
			US-PGPUB;	16:18
			EPO; JPO;	10.10
			DERWENT;	
			IBM TDB	•
38	1556	345/76-82.ccls.	USPAT;	2003/06/30
	,		US-PGPUB;	16:26
			EPO; JPO;	13.23
			DERWENT;]
	·		IBM TDB	
39	12931	(((345/60-63).ccls) or	USPAT;	2003/06/30
		((345/690-693).ccls) or	US-PGPUB;	16:27
		((345/87-92).ccls) or $((345/98).ccls)$ or	EPO; JPO;	
		((345/100).ccls) or ((345/204).ccls)) or	DERWENT;	. i
		345/55.ccls. or 345/76-82.ccls.	IBM TDB	
40	4170	vertical adj scan	USPAT;	2003/06/30
		-	US-PGPUB;	16:36
			EPO; JPO;	
	j		DERWENT;	
			IBM_TDB	
41	81770	multiplexed	USPAT;	2003/06/30
			US-PGPUB;	16:37
			EPO; JPO;	·
			DERWENT;	
40	25.5		IBM_TDB	
42	350	(vertical adj scan) and multiplexed	USPAT;	2003/06/30
			US-PGPUB;	16:37
			EPO; JPO;	
		·	DERWENT;	
أ		1111245160 623 3 3	IBM_TDB	
43	17	(((/ / /	USPAT;	2003/06/30
		((345/690-693).ccls) or	US-PGPUB;	16:37
		((345/87-92).ccls) or ((345/98).ccls) or	EPO; JPO;	
		((345/100).ccls) or ((345/204).ccls)) or	DERWENT;	.
		345/55.ccls. or 345/76-82.ccls.) and	IBM_TDB	.
	l	((vertical adj scan) and multiplexed)		1

	Issue Date Page	Pages	Title	Document ID	Current OR
1	20021003	33		US 20020140712 345/690	345/690
2	20020718	15	Image display apparatus	US 20020093468 345/55 A1	345/55
ĸ	20020724	15	Image display apparatus for PC, has vertical drive circuit having number of sequential circuits not smaller than bit number and logic circuits for processing outputs of sequential	US 20020093468 A	

	Туре	# #	Hits	Search Text	DBs
	BRS	1.2	700	(345/690-693).ccls	0;
2	BRS	Г13	7194	(345/87-92).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
т	BRS	L4	1817	(345/98).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	BRS	1.5	1541	(345/100).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	BRS	ъб.	1893	(345/204).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	BRS	L10	2	5436634.pn.	us- o;
7	BRS	1.1	1796	(345/60-63).ccls	: 14 111 ;
8	BRS	Б14	836	sequential adj circuits	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
o o	BRS	L15	39462	logic near circuits	
10	BRS	116	318	sequence adj circuits	US- PO; B
11	BRS	L17	329	(14 or 16) and 15	us- 0;
12	BRS	L18	271	vertical adj drive adj circuit	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Туре	# T	Hits	Search Text	DBs
13	BRS	L19	445	horizontal adj drive adj circuit	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
14	BRS	L20	156	18 and 19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
15	BRS	L21	8	3 17 and 20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Issue Date	Pages	Title	Document ID	Current OR
	20021003	33	Image display apparatus	US 20020140712 345/690	345/690
0.1	20020718	15	Image display apparatus US 20020093468 345/55 A1	US 20020093468 A1	345/55

	Type	# 1	Hits	Search Text	DBs
	BRS	1.2	700	(345/690-693).ccls	
2	BRS	Г.3	7194	(345/87-92).ccls	.0; 0;
ю	BRS	L4	1817	(345/98).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	BRS	1.5	1541	(345/100).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	BRS	91	1893	(345/204).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
9	BRS	L10	2	5436634.pn.	us- o;
7	BRS	11	1796	(345/60-63).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
8	BRS	L14	836	sequential adj circuits	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
6	BRS	L15	39462	cuits	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10	BRS	L16	318	sequence adj circuits	
11	BRS	L17	329	(14 or 16) and 15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12	BRS	L18	271	vertical adj drive adj circuit	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	#	Hits	Search Text	DBs
13	BRS	L19	445	horizontal adj drive adj circuit	US-
14	BRS	120	156	18 and 19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
15	BRS	L21	3	17 and 20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
16	BRS	122	8840	vertical adj scanning	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
17	BRS	123	27923	active adj matrix	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
18	BRS	1.24	1991	OLED or (organic adj light adj emitting adj diode)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	BRS	1.25	534	23 and 24	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
20	BRS	126	4	20 and 25 ·	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
21	BRS	L29	62090	grayscale or greyscale or gradation or (half adj tone)	; US- JPO; DB
22	BRS	L30	10688	g > c g	
23	BRS	131	808	digital adj drive	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

Type L # Hits Search			Search	Text	DBs
					USPAT; US-PGPUB;
BRS L32 2 29 and 30	2 29 and	29 and	and	and 31	EPO; JPO; DERWENT;
					IBM TDB

	Issue Date	Pages	Title	Document ID	Current OR
Н	20021003	33	lisplay apparat	US 20020140712 A1	345/690
2	20020117	36	METHOD AND APPARATUS FOR DETECTION OF A VIDEO DISPLAY DEVICE	US 20020005840 A1	345/204
ĸ	20010904	21	Modular flat-screen television displays and modules and circuit drives therefor	US 6285343 B1	345/1.1
4	20000502	16 .	Display device driving circuitry and method	US 6057816 A	345/85
2	19991116		Display device using time division modulation to display grey scale	US 5986640 A	345/596
9	19991116	25	Processor for converting pixel number of video signal and display apparatus using the same	US 5986635 A	345/716
7	19990323	23	Autostereoscopic display system with fan-out multiplexer	US 5886675 A	345/7
8	19990119	43	Gray level addressing for LCDs	US 5861869 A	345/691
6	19980616	30	Gray level addressing for LCDs	US 5767836 A	345/690
10	19971104	12	Multiplexed control active matrix display screen	US 5684500 A	345/92
11	19970923	24	Print head with multiplexed resistances controlling supply of current to image blocks	US:5671002 A	347/237
12	19970624	29	Split interval gray level addressing for LCDs	US 5642133 A	345/690

	Issue Date Pages	Pages	Title	Document ID	Current OR
13	19951017	31	Gray level addressing for LCDs	US 5459495 A 345/690	345/690
14	19880405	29	Microcomputer-based system for the on-line analysis and topographic display of human brain electrical activity	US 4736307 A	600/544
15	19830510	16	Control apparatus for a display matrix	US 4383254 A	345/156
16	19790227	30	Scanning system and method using coincidence of variable US 4142181 A frequency pulses	US 4142181 A	345/78
17	19770222	52	Gray scale display system employing digital encoding	US 4009335 A	348/798

	Туре	#	Hits	Search Text	DBs
1	BRS	1.2	700	(345/690-693).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	BRS	L3	7194	(345/87-92).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
3	BRS	1.4	1817	(345/98).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	BRS		1541	(345/100).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
5	BRS	L6	1893	(345/204).ccls	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
6	BRS	L10	2	5436634.pn.	JS-
7	BRS	L1	1796	(345/60-63).ccls	US- PO; B
- 8	BRS	L14	836	sequential adj circuits	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
6	BRS	L15	39462	logic near circuits	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10	BRS	Б16	318	sequence adj circuits	US- PO; B
11	BRS	L17	329	(14 or 16) and 15	JS-);
12	BRS	L18	271	vertical adj drive adj circuit	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Туре	# 1	Hits	Search Text	DBs
13	BRS	119	445	horizontal adj drive adj circuit	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
14	BRS	120	156	18 and 19	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
15	BRS	121	3	17 and 20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
16	BRS	122	8840	vertical adj scanning	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
17	BRS	L23	27923	active adj matrix	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
18	BRS	L24	1991	OLED or (organic adj light adj emitting adj diode)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	BRS	1.25	534	23 and 24	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
20	BRS	L26	4	20 and 25	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
21	BRS	L29	62090	grayscale or greyscale or gradation or (half adj tone)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
22	BRS	г30	10688	(binary adj state) or (binary adj condition) or (ON/OFF adj state)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
23	BRS	L31	. 808	digital adj drive	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	# 1	Hits	Search Text	DBs
24	BRS	1.32	2	29 and 30 and 31	
25	BRS	1.33	8719	frame adj period	, US- JPO; JB
26	BRS	L34	5453	subframes or subfields	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
27	BRS	1.35	292	33 and 34	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
28	BRS	T36	11254	1 or 2 or 3 or 4 or 5 or 6	USPAT; US- EPO; JPO; IBM_TDB
29	BRS	L37	598	345/55.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
30	BRS	138	1556	345/76-82.ccls.	US- 20; 3
31	BRS	139	12931	36 or 37 or 38	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
32	BRS	L40	4170	vertical adj scan	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
33	BRS	L41	81770	multiplexed	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
34	BRS	L42	350	40 and 41	0; 0
35	BRS	L43	17	39 and 42	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB